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Fond du Lac School District

72 South Portland Street
Fond du Lac, WI 54935
(414) 929-2900

Michael J. Homes, Ph.D.
Superintendent of Schools

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Federal Communications Commission
Office of Secretary

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February 10, 1997

Reed Hundt
Federal Communications Commission
1919 M Street, N. W.
Room 814
Washington, D. C. 20554

Dear Mr. Hundt:

We have been informed by the Wisconsin Association of School Boards that you are seeking copies of school district technology plans in preparation for the preparing the rules for telecommunications access.

Enclosed please find a copy of the Fond du Lac School District's three-year technology plan.

Sincerely,

Sherry Freiberg

Sherry Freiberg
Supervisor for Instructional Technology & Information Management
Fond du Lac School District

Enclosure

No. of Copies rec'd 0
List ABCDE

PRIDE • ACHIEVEMENT • GROWTH

Fond du Lac School District

1995 - 1998 Technology Plan

Rev. August 21, 1995

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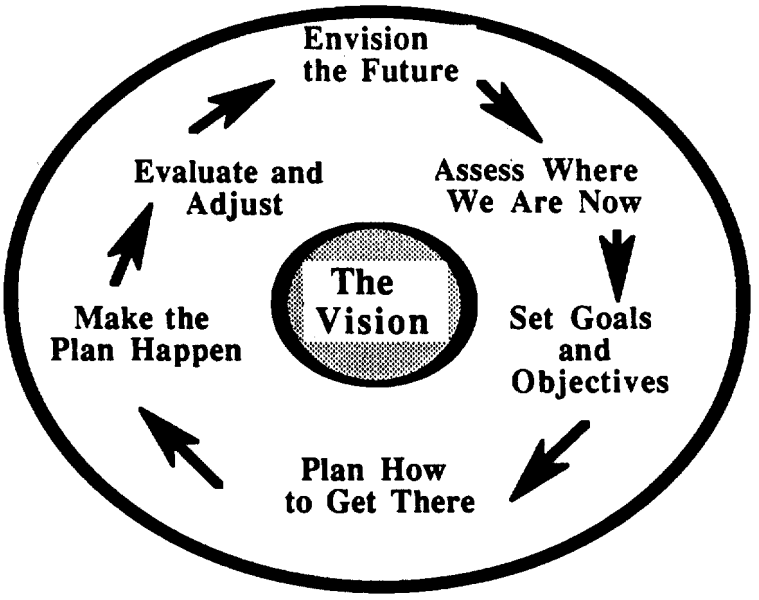


Introduction

Historically, change has always been difficult to accept. Read the following statements from various educational publications.

> Students today can't prepare bark to calculate their problems. They depend on their slates which are more expensive. What will they do when the slate is dropped and it breaks. They will be unable to write!
> *Teachers Conference,* 1703

> Students today depend on paper too much. They don't know how to write on a slate without getting chalk dust all over themselves. They can't clean a slate properly. What will they do when they run out of paper?
> *Principals publication* , 1815

> Students today depend too much upon ink. They don't know how to use a pen knife to sharpen a pencil. Pen and ink will never replace the pencil.
> *National Assn. of Teachers,* 1907

> Students today depend upon store bought ink. They don't know how to make their own. When they run out of ink, they will be unable to write words or ciphers until their next trip to the settlement. This is a sad commentary on modern education. *Rural American Teacher,* 1928

> Students today depend on these expensive fountain pens. They can no longer write with a straight pen and nib. We parents must not allow them to wallow in such luxury to the detriment of learning how to cope in the real business world which is not so extravagant. *PTA Gazette,* 1941

> Ballpoint pens will be the ruin of education in our country. Students use these devices then throw them away. The American values of thrift and frugality are being discarded. Businesses and banks will never allow such expensive luxuries. *Federal Teachers,* 1950

In the 1990's, we realize that like the slate, pencil, nib and ballpoint, some people will be concerned that computers, networks, CD-ROM's, and laserdiscs are expensive luxuries that our students are able to do without. We may smile at the statements above, but in 2010, people will also be smiling at the thought that American schoolchildren of the nineties did not have a computer at every desk. The purpose of the following plan, is to bring our students to the threshold of the twenty-first century.

Envision the Future

Futurists look at statistics, social trends, and new technologies, then suggest ways that society and schools will be organized and how teaching and learning will take place. Several of their ideas assisted in the development of a technology vision for the Fond du Lac School District. Some examples are below:

Teaching & learning

- Learning can take place anywhere and at any time. We no longer have to be constrained by school buildings, 8 a.m. to 3:30 p.m., nine months per year.
- Students will increasingly take more responsibility for their own education, using the instructional staff to guide their inquiries.
- Technology can lead to more opportunities for individualizing instruction, especially for those on the edges of traditional schooling such as the physically handicapped, the gifted, and those with learning disabilities.

Curriculum

- Interdisciplinary curriculum will add meaning to the disconnected subjects we teach today.
- New ways to evaluate learning will begin to replace traditional tests.
- Language instruction will become increasingly important for both students and teachers.

Social trends

- Minority populations will increase, both by birth rate and by immigration.
- Economic divisions will be increasingly bipolar, especially in living conditions, enrichment opportunities and provision of nutrition and health care.
- Children will continue to have more adult figures in their lives, but fewer of these adults will have responsibility for the children's care and learning.
- Challenging jobs for the college educated will focus on the management of information.

Technology

- Technology continues to get faster, cheaper, and more powerful.
- Schools will continue to get less powerful technology than businesses.
- Networked environments, for instruction, information and administration will be increasingly cost effective.

Our Vision

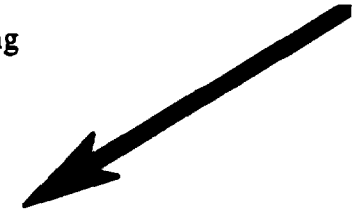
Our Vision Statement:

"The Fond du Lac School District believes that every student and staff member needs to achieve technological competence. This includes an awareness of how technology is applied in society and its proficient use to enhance life-long learning."

Assess Where We Are Now

Surveys , Conferences, Demonstrations:

- Koehn Institute Study
- School District Technology Inventory
- Wisconsin Educational Technology Conference
- MECC Conference
- SWECS Technology Planning Conference
- AECT Conference
- Apple Executive Briefing, Apple Seminar
- Classroom Computing in the '90's Conference
- Wiring Surveys from Dynacom, MasterCom & Great Technologies
- Software Demonstrations of First Class Electronic Mail System, SASI, Chancery and CIMS
- WEMA Conference
- IBM Executive Briefing
- Networking Seminars



Set Goals and Objectives

Our students should be able to:

- search, access and assess information
- use the computer as a tool to enhance their ability to learn
- use the computer to create papers, reports and other products using word processing, database spreadsheet, and telecommunications tools
- select the appropriate technology for the task
- develop skills for life-long learning
- use software programs for projects and assignments
- work with technology confidently and capably
- use on-line and CD-ROM databases

Our instructional staff should be able to:

- present lessons in a multimedia format
- evaluate and integrate software with curriculum
- use the computer for management tasks
- communicate using E-mail
- choose appropriate technology for the task
- use technology to enhance teaching

Plan How to Get There

Hardware Needs:

1. A computer for every room, containing an integrated software package, instructional software and test generation & management packages.
   a. Computer would be available for students when not being used by teacher.
   b. Computer would be capable of grading, attendance, and budgetary needs, and would include cumulative folder and health information. It would accept student portfolio information, and access E-mail.
   c. Computer must be upgradable, having the capability to add RAM

2. Local Area Networks (LAN) in every building, and all schools connected through a Wide Area Network (WAN) to enable use of integrated instructional and administrative software packages

3. E-Mail capabilities for all staff, accessible to students through the media centers and classrooms

4. Six computers plus one printer for every classroom - ratio of approximately 1:5

5. Media Center information resources available to classrooms through CD-ROM towers on the LAN

6. Computer presentation hardware (LCD panels or presentation interface boxes) available in every classroom for teacher and student use

7. At least two fax/modems for each building

8. A fax machine for each building

9. Furniture for additional classroom computers and peripherals

10. Portable keyboards for students to use as word processors and additional keyboarding learning stations

11. Internet Access for all staff, and students for curricular needs

12. Distance learning opportunities for students and staff

13. Two or three portable computers available in each building for teacher checkout

14. A replacement/repair/upgrade policy that provides for regularly-scheduled hardware updates

15. Maintenance contracts allowing for 10% of the cost of the computers

Software Needs:

1. Each grade level K-6 will select standardized software programs that will be integrated with curriculum.
   a. Grade level meetings will take place to determine the software packages.
   b. Inservice will be provided.
   c. Expectation that programs will be integrated and used by all teachers.

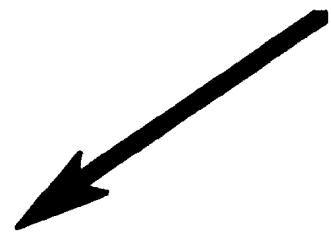
2. Grade 7 - present Keyboarding and Computers Exploratory Class

3. Grades 8-12 - Each subject area will determine a computer-related project to be accomplished each quarter, i.e. math may do spreadsheet project; social studies a report using Media Center information resources; and English computer-produced term papers, reports or multimedia presentations.

4. Principals will monitor that these expectations are met.

5. District site licensing and software copyright policies will be adhered to.

6. An integrated classroom management software package capable of student information retrieval including attendance, census records, disciplinary records, grading, etc. will be purchased.



Make the Plan Happen

Staff Development:

Inservice will be presented in a number of ways including:
- Saturday seminars
- Summer school credit classes and workshops
- Before and after-school inservices
- Peer tutoring
- Tutorials with video, print and disk packages that staff could use on their own
- Daytime workshops for groups of teachers during which substitute teachers are hired

Stipends will be provided to staff for offering inservice opportunities for others.

Incentive programs will be provided for staff offering innovative projects for student use of technology.

Technical Support:

A person(s) will be designated in each building as a first-line technology coach for hardware and software problems. This person will have released time, or this will be considered a part of the person's assignment.

An additional network manager/technical support person will be hired at the district level.

A keyboarding instructor will be hired to lead instruction on the computer bus.

Finances:

Major portion of anticipated referendum
Pursue grants and foundation support
Develop a grant-writing team for technology
General Fund budget allocations

Public Awareness:

Do workshops for the public:
- •Taxes and checkbook management
- •Mail merging addresses with a word processing documents
- •Resumes and other personal documents

Have the Media Centers open for public use after hours
Press releases
District newsletter
Provide E-mail access for the public via modem (specialized parent information)
Offer classes through the Recreation Department

Evaluate and Adjust

Research conducted through the Apple Classrooms of Tomorrow (ACOT) program has shown that teaching styles change when technology is integrated into instructional practices. The greatest student advances occurred when teachers modified their traditional roles, and sought a balance between direct instruction and collaborative, inquiry-driven knowledge-construction strategies. In these environments, knowledge was viewed as more than the accumulation of facts. Teachers looked for deeper understanding, as their students used technology tools for the acquisition, exploration and expression of ideas. These shifts are summarized in the table below.

	Instruction	Construction
Classroom Activity	Teacher Centered Didactic	Learner Centered Interactive
Teacher Role	Fact Teller Always Expert	Collaborator Sometimes Learner
Student Role	Listener Always Learner	Collaborator Sometimes Expert
Instructional Emphasis	Facts Memorization	Relationships Inquiry and Invention
Concept of Knowledge	Accumulation of Facts	Transformation of Facts
Demonstration of Success	Quantity	Quality of Understanding
Assessment	Norm-referenced Multiple-choice items	Criterion-referenced Portfolios, Performances
Technology Use	Drill and Practice	Communication, Expression, Information Access, Collaboration

The table above would be used to determine the success of the technology plan--whether or not its use was indeed making a difference in the education of Fond du Lac students. It would also serve as a guide in deciding where adjustments would be warranted.

Source: "Finding the Promise of Educational Technology," David Dwyer, *Educational Leadership*, December 1993.

Evaluation: Technology Proficiencies

Students will:

Use technology to create works in the fine arts

Use content-specific software to enhance learning

Use electronic databases to access, gather and integrate information

Use spreadsheets to manipulate and display mathematical data

Use word processing in the writing process

Use electronic writing enhancement tools

Use multi-media tools to produce effective communications

Use telecommunications to collaborate with other students in remote locations

Use age-appropriate workplace-related electronic tools to complete projects

Use electronic discipline-specific tools to apply concepts and principles learned

Use technology for problem-solving tasks

Staff members will:

Use media in multiple formats to enhance teaching

Attend inservices to become knowledgeable of technology initiatives

Implement software programs adopted by district Software Selection Curriculum Committees

Use technology to facilitate management tasks

Use E-mail to communicate with other staff members

1995-96

1. Complete installation of Wide Area Network
2. Wire and upgrade electricity in all classrooms for Local Area Networks (LAN) at:
   Sabish, Lakeshore, Evans, Parkside; ensure access for Fahey
3. Connect computers to LMC resources in buildings above using CD-Towers via the LAN
4. Purchase fax machines for all buildings
5. Purchase fax/modems for all buildings
6. Purchase a classroom set of portable keyboards for:
   Woodworth, Roberts, Rosenow, Chegwin (Secondary sets will include Rol-a-Lab units.)
7. Purchase Presentation Interface Boxes for all classrooms at:
   Theisen, Waters, Pier, Franklin, plus one for Fahey
8. Purchase one laptop computer for each building
9. Begin implementation of integrated student management software package to include purchase of computer workstations for staff in gds. 7-9
10. A technician/network manager
11. Establish use of the First Class E-mail system throughout the district
12. Establish use of the Internet throughout the district
13. Purchase 6 computers, a printer and furniture for the following:
    All K-3 classrooms in all elementary schools: 81 X 6 = 486
    All English classrooms 7-12: 30 X 6 = 180
    All Reading classrooms 7-12: 4 X 6 = 24 Total: 806
    All Science classrooms 10-12: 13 X 6 = 78
    All Fine Arts classrooms 7-12: 8 X 1 (Music) + 5 X 6 (Art) = 38
14. Establish and meet with Software Selection Committees for Grades K-3, 7-12 English, Reading, Fine Arts and Science Departments

15. Purchase and inservice K-3 and 7-12 English, Reading, Fine Arts and Science staff members in use of designated software during 2nd semester and summer

16. Provide staff development opportunities throughout the year in all aspects of instructional and support technology.

1996-97

1. Wire and upgrade electricity in all classrooms for Local Area Networks at:
   Woodworth, Roberts, Rosenow, Chegwin
2. Connect computers to LMC resources in buildings above using CD-Towers via the LAN
3. Purchase a classroom set of portable keyboards for:
   Theisen, Waters, Pier, Franklin, Goodrich
4. Purchase Presentation Interface Boxes for all classrooms at:
   Sabish, Lakeshore, Evans, Parkside
5. Purchase 6 computers, a printer and furniture for the following:
   All 4-6 classrooms in all elementary schools: 67 X 6 = 402
   All Tech. Ed. classrooms 7-12: 10 X 6 = 60
   All Math classrooms 7-12: 29 X 6 = 174 Total: 726
   All Science classrooms 7-9: 15 X 6 = 90
6. Establish and meet with Software Selection Committees for Grades 4-6 and 7-12 Tech. Ed. and Math Departments
7. Purchase and inservice 4-6 and 7-12 Math and Tech. Ed. staff members in use of designated software during 2nd semester and summer
8. Purchase one laptop computer for each building
9. Implement use of software selected by committees
10. Provide staff development opportunities throughout the year in all aspects of instructional and support technology.

11. Continue implementation of integrated student management software package to include purchase of computer workstations for staff in gds. 10-12

1997-98

1. Wire and upgrade electricity in all classrooms for Local Area Networks at: Theisen, Waters, Pier, Franklin, Goodrich
2. Connect computers to LMC resources in buildings above using CD-Towers via the LAN
3. Purchase Presentation Interface Boxes for all classrooms at: Woodworth, Roberts, Rosenow, Chegwin, Goodrich
4. Purchase a classroom set of portable keyboards for: Sabish, Lakeshore, Evans, Parkside
5. Purchase 6 computers, a printer and furniture for the following:
   All FACE classrooms 7-12: 7 X 6 = 42
   All Social Studies classrooms 7-12: 27 X 6 = 162 Total: 300
   All Foreign Language classrooms 7-12: 16 X 6 = 96
6. Establish and meet with Software Selection Committees for FACE, Social Studies and Foreign Language Departments
7. Purchase and inservice FACE, Social Studies and Foreign Language staff members in use of designated software during 2nd semester and summer
8. Provide staff development opportunities throughout the year in all aspects of instructional and support technology.
9. Continue implementation of integrated student management software package to include purchase of computer workstations for staff in gds. K-6

Technology Planning Team Members

Eric Anderson - Social Studies Instructor, Woodworth Junior High School
Mark Beveridge - Administrator, Shared Computer Center of Fond du Lac
Harold Breit - Principal, Waters Elementary School
Joe Ciontea - Technology Education Instructor, Goodrigh High School
Alice Fields - Library Media Specialist, Rosenow Elementary School
Sherry Freiberg, Team Leader - Supervisor for Instructional Technology & Information Management, Fond du Lac School District
Dick Fritz - Reading Instructor, Sabish Junior High
Alan Fuller - Library Media Specialist, Franklin Elementary School
Kris Giese - Library Media Specialist, Chegwin Elementary School
Doris Grajkowski - Library Media Specialist, Sabish Junior High
Gene Harter - Principal, Franklin Elementary School
Karen Hermann - Library Media Specialist, Waters Elementary School
Jeff Hoeft - Technology Education Instructor, Goodrigh High School
Dr. Michael Homes - Superintendent, Fond du Lac School District
Dick Jorgensen - Personnel Director, Fond du Lac School District
Dr. Carolyn Keeler - Director of Curriculum and Instruction, Fond du Lac School District
Dick Kimla - Chapter I Instructor, Chegwin Elementary School
Maggie Patton - English Instructor, Woodworth Junior High School
Steve Rosenberg - Intermediate Instructor, Evans Elementary School
Kris Schoonover - Business Education Instructor, Woodworth Junior High School
Nancy Schultz - Library Media Specialist, Goodrich High School
Pat Smith - Parent of Pier Elementary School Student
Judean Unmuth-Shelley - Library Media Specialist, Woodworth Junior High School
John Williams - Head Custodian, Woodworth Junior High School

Technology Budget			
1995 - 96 Budget			
Item	**Number**	**Cost**	**Total**
Wide Area Network completion	1	$50,000.00	$50,000.00
Wire and upgrade electricity for LAN's			
...Sabish	1	$5,000.00	$5,000.00
...Evans	1	$2,000.00	$2,000.00
...Lakeshore	1	$3,750.00	$3,750.00
...Parkside	1	$3,750.00	$3,750.00
Connect CD Towers to LMC resources in bldgs. above	4	$1,799.00	$7,196.00
Fax Machines for all buildings	14	$350.00	$4,900.00
Fax Modems for all buildings	14	$229.00	$3,206.00
Sets of 30 portable keyboards			
...Roberts, Rosenow, Chegwin	90	$237.00	$21,330.00
Rol-a-Lab set of portable keyboards (30)...Woodworth	1	$10,482.00	$10,482.00
Presentation Interface Boxes			
...Theisen, Waters, Pier, Franklin	100	$267.00	$26,700.00
Laptop Computer for each building	14	$1,271.00	$17,794.00
Use of Internet (all buildings) ...$20 per month = $240	14	$240.00	$3,360.00
Sets of six computers			
...all K-3 classrooms all elementary schs.	486	$1,699.00	$825,714.00
...all English classrooms 7-12	180	$1,699.00	$305,820.00
...all Reading classrooms 7-12	24	$1,699.00	$40,776.00
...all Science classrooms 7-9	78	$1,699.00	$132,522.00
...all Fine Arts classrooms 7-12 1 per Music Rm./6 Art	44	$1,699.00	$74,756.00
Printers	151	$388.00	$58,588.00
Furniture for computers and printers	812	$137.00	$111,244.00
Software for K-3, English, Reading, Science, Fine Arts	1	$30,000.00	$30,000.00
Inservice for K-3, English, Reading, Science staff	1	$20,000.00	$20,000.00
Ongoing staff development: telecommunications, presentation			
products, integrated software packages, etc.	1	$5,000.00	$5,000.00
1995 - 96 Total			$1,763,888.00

Ongoing Costs:

Repair, replacement and upgrades to existing equipment	$20,000.00
Network Manager/Technician	$35,000.00
Total	$55,000.00

1996 - 97 Budget			
Item	**Number**	**Cost**	**Total**
Wire and upgrade electricity for LAN's			
...Woodworth	1	$5,000.00	$5,000.00
...Roberts	1	$3,750.00	$3,750.00
...Rosenow	1	$2,000.00	$2,000.00
...Chegwin	1	$3,000.00	$3,000.00
Connect CD Towers to LMC resources in bldgs. above	4	$1,799.00	$7,196.00
Sets of 30 portable keyboards			
...Waters, Pier, Franklin	90	$237.00	$21,330.00
Rol-a-Lab set of portable keyboards (30)...Theisen, Goodrich	2	$10,482.00	$20,964.00
Presentation Interface Boxes			
...Sabish, Lakeshore, Evans, Parkside	100	$276.00	$27,600.00
Use of Internet all buildings			
...$20 per mo. = $240.00 per year	14	$240.00	$3,360.00
Sets of six computers			
...all 4-6 classrooms all elementary schs.	402	$1,699.00	$682,998.00
...all Tech Ed. classrooms 7-12	60	$1,699.00	$101,940.00
...all Math classrooms 7-12	174	$1,699.00	$295,626.00
...all Science classrooms 10-12	90	$1,699.00	$152,910.00
Printers	121	$388.00	$46,948.00
Furniture for computers and printers	726	$137.00	$99,462.00
Software for 4-6, Tech. Ed., Math, Science	1	$30,000.00	$30,000.00
Inservice for K-3, English, Reading, Science staff	1	$20,000.00	$20,000.00
Ongoing staff development: telecommunications, presentation	1	$5,000.00	$5,000.00
products, integrated software packages, etc.			
Laptop Computer for each building	14	$1,271.00	$17,794.00
1996 - 97 Total			$1,546,878.00

Ongoing Costs:

Repair, replacement and upgrades to existing equipment	$25,000.00
Network Manager/Technician	$35,000.00
Part-time Keyboarding Instructor	$20,000.00
Total	$80,000.00

1997 - 98 Budget	Number	Cost	Total
Item			
Wire and upgrade electricity for LAN's			
...Theisen	1	$5,400.00	$5,400.00
...Waters	1	$3,750.00	$3,750.00
...Pier	1	$3,000.00	$3,000.00
...Franklin	1	$3,750.00	$3,750.00
...Goodrich	1	$7,000.00	$7,000.00
Connect CD Towers to LMC resources in bldgs. above	4	$1,799.00	$7,196.00
Sets of 30 portable keyboards			
...Lakeshore, Evans, Parkside	90	$237.00	$21,330.00
Rol-a-Lab set of portable keyboards (30)...Sabish	1	$10,482.00	$10,482.00
Presentation Interface Boxes			
....Woodworth, Roberts, Rosenow, Chegwin, Goodrich	190	$276.00	$52,440.00
Use of Internet all buildings			
...$20 per mo. = $240.00 per year	14	$240.00	$3,360.00
Sets of six computers			
...all FACE classrooms 7-12	42	$1,699.00	$71,358.00
...all Social Studies classrooms 7-12	162	$1,699.00	$275,238.00
...all Foreign Language classrooms 10-12	96	$1,699.00	$163,104.00
Furniture for computers and printers	300	$137.00	$41,100.00
Software for FACE, Social Studies, Foreign Language	1	$20,000.00	$20,000.00
Inservice for FACE, Social Studies, Foreign Language	1	$15,000.00	$15,000.00
Ongoing staff development: telecommunications, presentation products, integrated software packages, etc.	1	$5,000.00	$5,000.00
Laptop Computer for each building	14	$1,271.00	$17,794.00
1997- 98 Total			$726,302.00
Grand Total of Three-Year Technology Plan			**$4,037,068.00**

Ongoing Costs:

Repair, replacement and upgrades to existing equipment	$30,000.00
Network Manager/Technician	$35,000.00
Part-time Keyboarding Instructor	$20,000.00
Total	$85,000.00

Technology Inventory - May 1995

	School	Videocameras	VCRs	TV Monitors	Apple II Plus	Apple IIE	Apple IIC	Apple GS	MacPlus	Mac SE
1.	Elem. -Chegwin	2	4	14		34				1
2.	Elem. -Evans	2	15	18	2	35	1			1
3.	Elem. -Fahey	1	2	2		2				
4.	Elem. -Franklin	1	4	5		29	1	1		1
5.	Elem. -Lakeshore	2	12	12		48		1		
6.	Elem. -Parkside	1	5	5	1	26				1
7.	Elem. -Pier	1	7	8	2	38		2		
8.	Elem. -Roberts	2	25	13		37				
9.	Elem. -Rosenow	2	12	13		42	1			1
10.	Elem. -Waters	2	6	9		32		1		
11.	Jr. High -Sabish	4	28	31		7			16	14
12.	Jr. High -Theisen	1	23	21		38		2		
13.	Jr. High -Woodworth	3	8	10		2		1		1
14.	Sr. High -Goodrich	11	41	40	8	43			3	4
	Total	35	192	201	13	413	3	8	19	24

Mac Classic	Mac Classic II	Mac IICI	Mac IISI	Mac LC	Mac LCII	Mac LCIII	Mac 475	Mac 520	Mac 520 w CD
1					4	1			2
2					2	1			
3					4	1			
4					3				
5 1				1	2				
6					3	1			
7					3				
8					3	2			
9					3				
10				1	7	5			4
11 6	1	1			13	6	33	1	1
12 5					12	3	30	1	
13					32	2		31	1
14 24	35			2	3	10	30		
	26	1		4	94	32	93	33	8

Technology Inventory - May 1995

	Mac 550	Mac 575	Mac Quadra	Mac DuoDock	Mac Power PC	Mac Adminis	MS DOS Inst	MS DOS Lib Auton
1	1	1						3
2	2	1				1		3
3								
4								
5	2	2			1			3
6	1							3
7	2				2			3
8		2						
9	2	2						
10		6				1		3
11	21	1				2		3
12	30	3						3
13								4
14	1	3	2				48	4
Total	62	21	2		3	4	48	32

	MS DOS Info	MS DOS Adm	Powerbk 100	Powerbk 145	MS DOS Lapt	Powerbk Ad	CD ROM Drive	LCD Panels
1		1					2	2
2							1	
3		1						
4		1					2	1
5		1					2	1
6		1					1	1
7		1					1	1
8		1					1	
9		1					2	1
10		1					5	1
11	9	3					9	3
12		2					2	2
13	3	5		1			5	2
14	7	8					7	4
		27		1			40	19

Technology Inventory - May 1995

	Digital Camera	Scanners	Modems	External Hard	Dot Matrix Printer	Ink Jet Printe	Laser Printe	Printers Admi
1			2	2	18	1	1	1
2					24	1		1
3				1	4	5	1	
4			1		6	1		1
5			1	2	18	3	2	2
6			1		8	1		2
7			1		11	3		2
8					22	3	1	1
9			2		25	2		1
10		1	1		17	7	1	1
11		1	1	16	36	8	1	5
12			2		32	5	2	1
13		1	2		9	8	2	2
14	1	1			91	21	3	4
Total	1	4	14	21	321	69	14	24

	Other	Others
1		
2		
3		
4		
5		
6	Portable keyboard/adm.	
7		
8		
9		
10	Laserdisc player	
11	CD 6 Disk changer 1	
12		
13	CD 6 Disk changer 1	Laserdisc player - 1
14	Commodore computer 1	Graphics tablet - 4

Glossary of Terms and Organizations

AECT: Association for Educational Communications and Technology. Sponsors annual conference, publishes journal and books on educational technology resources and programs.

CD-ROM: Stands for "compact disk - read-only memory." CD's are small, shiny disks that look like phonograph records and hold an immense amount of data. A CD must be played on a CD-ROM disk drive, either connected to the computer internally or externally.

CD-ROM Towers: Devices similar to juke boxes that hold multiple CD's accessible via a computer network. User selects the CD from a menu on the computer workstation.

Chancery: Producer of computer software for managing scheduling, attendance, grades and other administrative tasks.

CIMS: Comprehensive Information Management for Schools. Producer of computer software for managing scheduling, attendance, grades and other administrative tasks.

E-Mail: System for sending memos and information electronically over a computer network.

Fax/Modem: A modem that is able to send and receive faxes from a computer workstation. See also "modem."

Internet: A world-wide "network of networks" that allows users to access information from computers on every continent.

Koehn Institute: Computer consulting firm associated with the University of Wisconsin-Oshkosh. Does consulting for schools and businesses as well as extensive computer training, and sponsors an annual Classroom Computing Conference.

LAN: Local Area Network. All the computers and printers in one building that are connected to share educational and productivity software as well as data and administrative tools.

LCD Panel: Device that is placed on an overhead projector and connected to a computer to display the information on the computer screen.

Laptop Computer: A portable computer weighing about seven pounds. May be used in remote sites powered by battery. Has full computing power.

Laserdisc: A shiny disc approximately the size of a 78 record. Holds data, video clips and still pictures. Can be used interactively with the computer, or as a stand alone device. Requires a laser disc player and television monitor to be used.

MECC: Minnesota Educational Computing Consortium. Sponsors an annual conference, and produces extensive educational software.

Modem: Stands for modulator/demodulator. A device that allows a computer to transmit data to another computer over telephone lines.

Network: Connecting two or more computers together to share data, software and printers. Common school networking configurations are AppleTalk, LocalTalk, Ethernet, Token Ring--all referring to the technical aspects of how the computers and file servers are connected.

Portable Keyboard: A two-pound device that allows students to do keyboarding practice and word processing without being connected to a computer. The student then connects the keyboard to a computer and imports it to a word processing program for editing.

Presentation Interface Box: Device that is connected to a television monitor and a computer to display the information on the computer screen.

RAM: Random-access memory. A measure of how much information the computer's memory can hold and work with.

Rol-a-Lab Unit: Cart that stores and recharges 30-40 portable keyboards. See also "portable keyboard."

SASI: Student Administrative System Inc. Producer of computer software for managing scheduling, attendance, grades and other administrative tasks.

Site License: An agreement with a software vendor that allows schools to make and use multiple copies of computer programs.

SWECS: Southern Wisconsin Educational Communications Service. Regional agency for instructional broadcasting services. Sponsors conferences and planning seminars for educational technology.

WAN: Wide Area Network. All the computers and printers in two or more locations that are connected to share educational and productivity software as well as data and administrative tools.

WEMA: Wisconsin Educational Media Association. Sponsors annual conference, publishes journal and quarterly newsletter.